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```
<Person>
  <Name>
    <First> Value </First>
    <Middle> Value </Middle>
    <Last> Value </Last>
  </Name>

  <Address>
    <Street> Value </Street>
    <City> Value </City>
    <State> Value </State>
    <ZipCode> Value </ZipCode>
  </Address>
</Person>
```

Fig. 1

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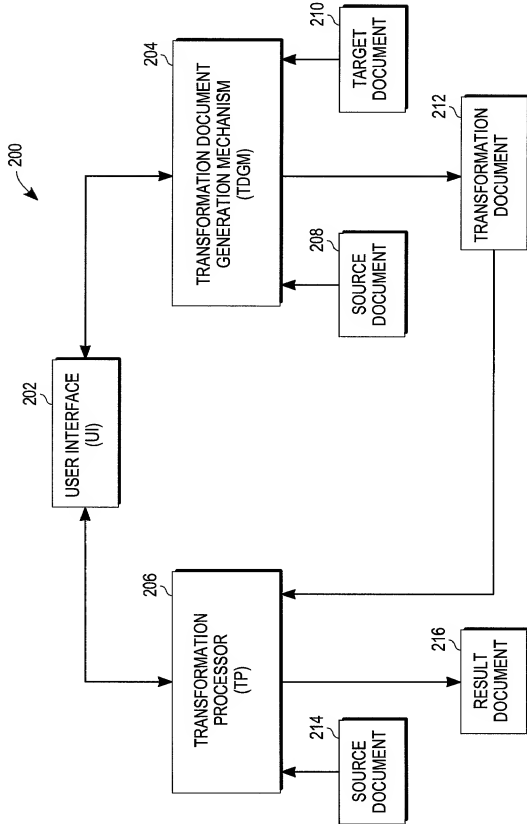


Fig. 2

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```
<?xml version="1.0" ?>
<sourceDoc>
  <person>
    <name>
      <first>A</first>
      <middle>B</middle>
      <last>C</last>
    </name>
    <address>
      <street>D</street>
      <City>E</City>
      <state>F</state>
      <zipcode>G</zipcode>
    </address>
  </person>
  <pet>
    <type>cat</type>
    <Petname>tuffy</petname>
  </pet>
</sourceDoc>
```

Fig. 3

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```
<?xml version="1.0" ?>
<targetDoc>
  <person>
    <name>
      <first>A</first>
      <last>C</last>
    </name>
    <residence>
      <street>D</street>
      <city>E</city>
      <state>F</state>
      <zipcode>G</zipcode>
    </residence>
  </person>
  <pet>
    <type>cat</type>
    <petname>luffy</petname>
  </pet>
</targetDoc>
```

Fig. 4

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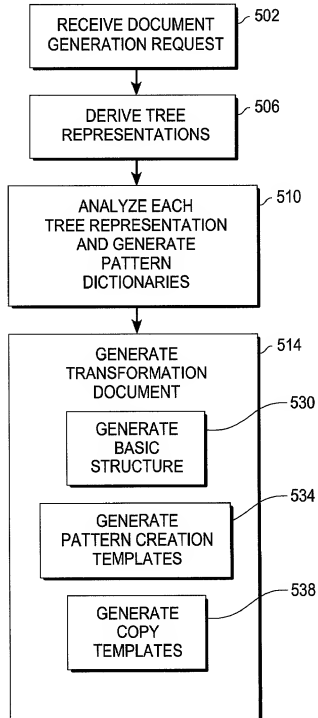


Fig. 5

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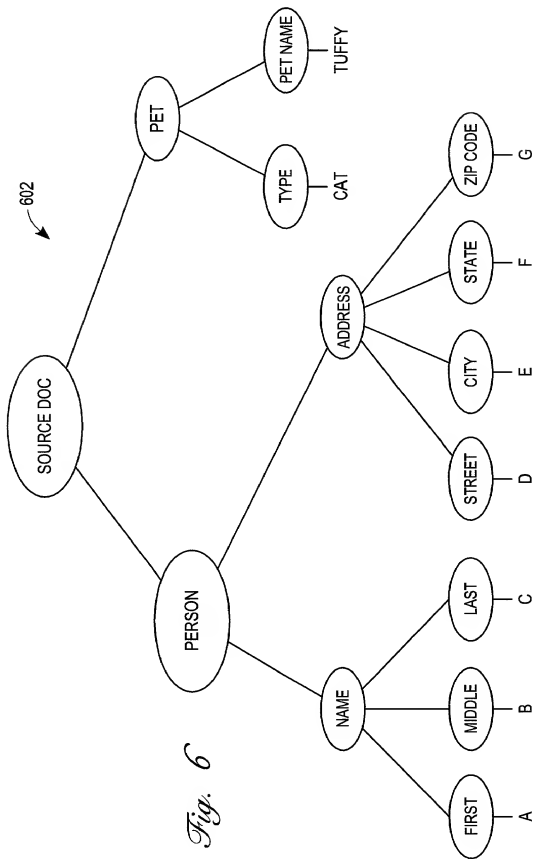


Fig. 6

FIG. 6

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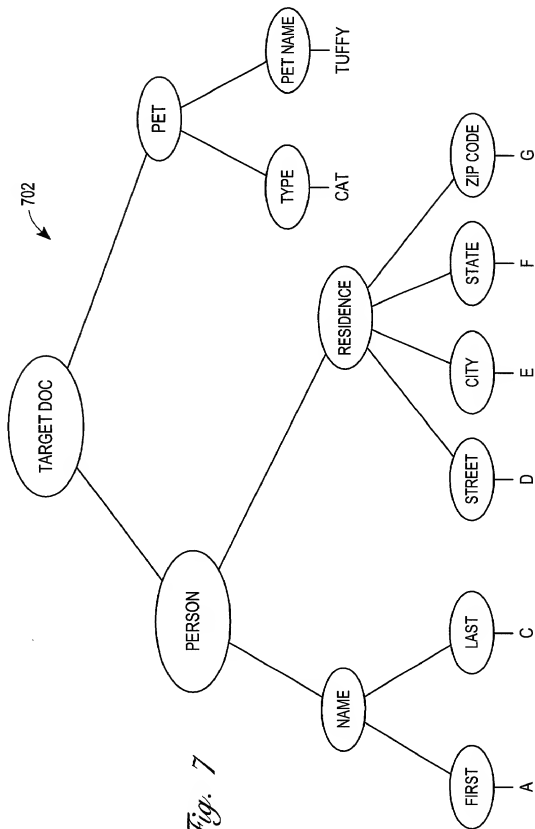


Fig. 7

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PATTERN	REFERENCE ARRAY
SOURCE DOC	[1]
PERSON	[1]
NAME	[1]
FIRST	[1]
MIDDLE	[1]
LAST	[1]
ADDRESS	[1]
STREET	[1]
CITY	[1]
STATE	[1]
ZIP CODE	[1]
PET	[1]
TYPE	[1]
PET NAME	[1]

Fig. 8

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PATTERN	REFERENCE ARRAY
TARGET DOC	[1]
PERSON	[1]
NAME	[1]
FIRST	[1]
LAST	[1]
RESIDENCE	[1]
STREET	[1]
CITY	[1]
STATE	[1]
ZIP CODE	[1]
PET	[1]
TYPE	[1]
PET NAME	[1]

Fig. 9

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```
<?xml version="1.0" encoding="UTF-8"?>
<xsl:transform xmlns:xsl="http://www.w3.org/1999/XSL/Transform" version="1.0">
  <xsl:output method="xml" indent="yes" />

  <!-- This Xslt document was generated using iPlanet iIS Xslt Generator-->
  <?iis-generated-xslt-document versions="0.9"?>
  <?iis-xslt-generator-option scanForCopyAction="true"?>
  <?iis-xslt-generator-option scanForPatterns="true"?>
  <?iis-xslt-generator-option buildForCrossReference="true"?>
  <?iis-xslt-generator-option includeISGenerationPI="true"?>
  <?iis-xslt-generator-option includeISGenerationOptioZAnsPI="true"?>
  <?iis-xslt-generator-option defaultRule="GO_DEF_RULE_NONE"?>
  <?iis-xslt-generator-option basedOn="GO_SOURCE_TARGET"?>
  <?iis-xslt-generator-option targetSource="GO_FROM_FILE_PATH"?>
  <?iis-xslt-generator-option targetName="FileName"?>
  <?iis-xslt-generator-option targetFilePath="f:\iis_workspace\iisdevtools\project\javasource\
com\planet\iisdevtools\test\iisxslttools\designer\xmlsamples\ibt\targetdoc.xml"?>
  <?iis-xslt-generator-option sourceSource="GO_FROM_FILE_PATH"?>
  <?iis-xslt-generator-option sourceName="FileName"?>
  <?iis-xslt-generator-option sourceFilePath="f:\iis_workspace\iisdevtools\project\javasource\
com\planet\iisdevtools\test\iisxslttools\designer\xmlsamples\ibt\sourcedoc.xml"?>
  <?iis-xslt-generator-option iis-pi-generation-order="GO_ORDER_DEFAULT_ROOT_TEMP"?>
  <?iis-xslt-generator-option iis-pi-generation-order="GO_ORDER_TARGET_TEMPS"?>
  <?iis-xslt-generator-option iis-pi-generation-order="GO_ORDER_SOURCE_TEMPS"?>
  <?iis-xslt-generator-option iis-pi-generation-order="GO_ORDER_COPY_TEMPS"?>
  <?iis-xslt-generator-option iis-pi-generation-order="GO_ORDER_DEFAULT_TEMPS"?>

  <?iis-generated-xslt-code iis-root-template="iis-root-template"?>
  <?iis-generated-xslt-code iis-root-template="iis-from-target"?>
  <xsl:template match="/">
    <targetDoc>
    <xsl:apply-templates />
    </targetDoc>
  </xsl:template>

  <?iis-generated-xslt-code iis-item-needed="iis-template-pattern"?>
  <xsl:template match="iis-pattern-needed">
    <person>
    <xsl:apply-templates />
    </person>
  </xsl:template>
```

1004

1008

1012

Fig. 10A

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```
<?iis-generated-xslt-code iis-item-needed="iis-template-pattern"?>
<xsl:template match="iis-pattern-needed">
  <name>
    <xsl:apply-templates />
  </name>
</xsl:template>
1016

<?iis-generated-xslt-code iis-item-needed="iis-template-pattern"?>
<xsl:template match="iis-pattern-needed">
  <first />
</xsl:template>
1020

<?iis-generated-xslt-code iis-item-needed="iis-template-pattern"?>
<xsl:template match="iis-pattern-needed">
  <last />
</xsl:template>
1024

<?iis-generated-xslt-code iis-item-needed="iis-template-pattern"?>
<xsl:template match="iis-pattern-needed">
  <residence>
    <xsl:apply-templates />
  </residence>
</xsl:template>
1028

<?iis-generated-xslt-code iis-item-needed="iis-template-pattern"?>
<xsl:template match="iis-pattern-needed">
  <street />
</xsl:template>
1032

<?iis-generated-xslt-code iis-item-needed="iis-template-pattern"?>
<xsl:template match="iis-pattern-needed">
  <city />
</xsl:template>
1036

<?iis-generated-xslt-code iis-item-needed="iis-template-pattern"?>
<xsl:template match="iis-pattern-needed">
  <state />
</xsl:template>
1040


<?iis-generated-xslt-code iis-item-needed="iis-template-pattern"?>
<xsl:template match="iis-pattern-needed">
  <zipcode />
</xsl:template>
1044
```

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Fig. 10B

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```
<?iis-generated-xslt-code iis-item-needed="iis-template-pattern"?>
<xsl:template match="iis-pattern-needed">
  <pet>
    <xsl:apply-templates />
  </pet>
</xsl:template>
```

1048

```
<?iis-generated-xslt-code iis-item-needed="iis-template-pattern"?>
<xsl:template match="iis-pattern-needed">
  <type />
</xsl:template>
```

1052

```
<?iis-generated-xslt-code iis-item-needed="iis-template-pattern"?>
<xsl:template match="iis-pattern-needed">
  <petname />
</xsl:template>
```

1056


```
<?iis-generated-xslt-code iis-action="iis-copy"?>
<xsl:template match="/sourceDoc/pet[1]">
  <xsl:copy />
</xsl:template>
```

1060


```
<?iis-generated-xslt-code iis-action="iis-copy"?>
<xsl:template match="/sourceDoc/person[1]/address[1]/zipcode[1]">
  <xsl:copy />
</xsl:template>
```

1064


```
<?iis-generated-xslt-code iis-action="iis-copy"?>
<xsl:template match="/sourceDoc/person[1]/name[1]/last[1]">
  <xsl:copy />
</xsl:template>
```

1068


```
<?iis-generated-xslt-code iis-action="iis-copy"?>
<xsl:template match="/sourceDoc/person[1]/address[1]/state[1]">
  <xsl:copy />
</xsl:template>
```

1072

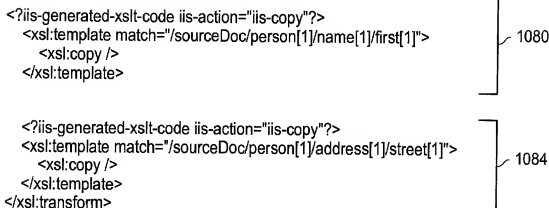

```
<?iis-generated-xslt-code iis-action="iis-copy"?>
<xsl:template match="/sourceDoc/person[1]/address[1]/city[1]">
  <xsl:copy />
</xsl:template>
```

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Fig. 106

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The diagram shows two blocks of XSLT code. The first block, labeled 1080, contains three lines of code: a processing instruction for iis-generated-xslt-code, an xsl:template with a match attribute, and an xsl:copy element. The second block, labeled 1084, contains three lines of code: a processing instruction for iis-generated-xslt-code, an xsl:template with a match attribute, and an xsl:copy element. The entire sequence of code blocks is enclosed within an xsl:transform root element.

```
<?iis-generated-xslt-code iis-action="iis-copy"?>
  <xsl:template match="/sourceDoc/person[1]/name[1]/first[1]">
    <xsl:copy />
  </xsl:template>

  <?iis-generated-xslt-code iis-action="iis-copy"?>
    <xsl:template match="/sourceDoc/person[1]/address[1]/street[1]">
      <xsl:copy />
    </xsl:template>
</xsl:transform>
```

Fig. 10D

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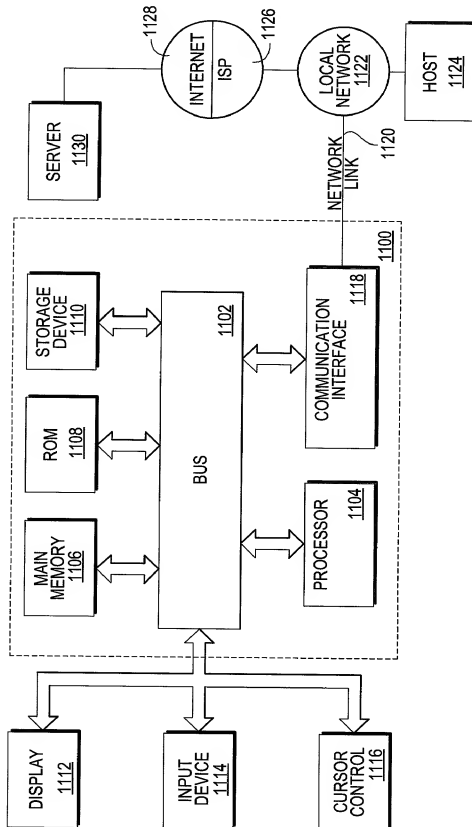


Fig. 11